

32-

Date: Wednesday, 7/11/2007 2:49:28 PM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : DOUBLER ASSEMBLY
Job Number : 33494B	
Estimate Number : 10294	
P.O. Number : <u>N/A</u>	Part Number : D3220041
This Issue : 7/11/2007 S.O. No. : <u>N/A</u>	Drawing Number : D3220 REV A1
Prsht Rev. : NC	Project Number : N/A
First Issue : <u>N/A</u> Type : MACHINED PARTS	Drawing Revision : A1
Previous Run : 30158B	Material : <u>N/A</u>
Written By : _____	Due Date : 8/5/2007 Qty: <u>12</u> Um: Each
Checked & Approved By : <u>07.07.11</u>	
Comment : Est Rev: A New Issue 05-11-06 JLM	
Est: B 06.11.15 waterjet EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M2024T3S050	2024-T3 .050 sheet
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Comment: Qty.: 0.7266 sf(s)/Unit Total : 7.2660 sf(s)
 Material: 2024-T3 (QQ-A-250/4) 0.050" thick
 (M2024T3S.050
 Identify for D3220-1
 Batch: M103321

SAD 07/07/29

2.0:	WATER JET	FLOW WATER JET
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Comment: FLOW WATER JET
 1-Cut D3220-1 as per Dwg D3220
 Dwg Rev: A1
 Prog Rev: A1

2-Deburr if necessary

SAD 07/07/30 (12) SAD 07/07/29

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

SAD 07/07/29

4.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

SAD 07/07/30

(12)

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Deburr

X12
m/07/07/31

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 7/11/2007 2:49:29 PM
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Process Sheet

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Drawing Name: DOUBLER ASSEMBLY

Job Number: 33494B

Part Number: D3220041

Job Number:



Seq. #:

Machine Or Operation:

Description:

2-C'sink D3220-1 as per Dwg D3220

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

7.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

9.0

MS20426AD34

RIVET



Comment: Qty.: 8.0000 Each(s)/Unit Total: 80.0000 Each(s)

Pick:

Qty Part Number

Description Batch

8 MS20426AD3-4

Rivet

M102404

10.0

MS21059L4

Nutplate



Comment: Qty.: 4.0000 Each(s)/Unit Total: 40.0000 Each(s)

Pick:

Qty Part Number

Description Batch

4 MS21059L4

Nutplate

M102909

11.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble D3220-041 doubler as per Dwg D3220

12.0

QC5





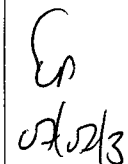
INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: D Date: 07/09/07
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
07/07/31	#5.2	one part counter sink for rivet. is too deep R.C. Human Error	 05/04/02	Scrap and no replace	 07/07/31	 07/04/31	 05/04/02	 07/02/31

NOTE: Date & initial all entries

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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Job Number: 33494B

Part Number: D3220041

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

Handwritten signature and date: 07/08/07

14.0

QC21

FINAL INSPECTION/W/O RELEASE



Handwritten circled 'H'

Comment: FINAL INSPECTION/W/O RELEASE

Handwritten signature and date: 07/08/07

Job Completion



Handwritten signature and date: 07/08/07

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

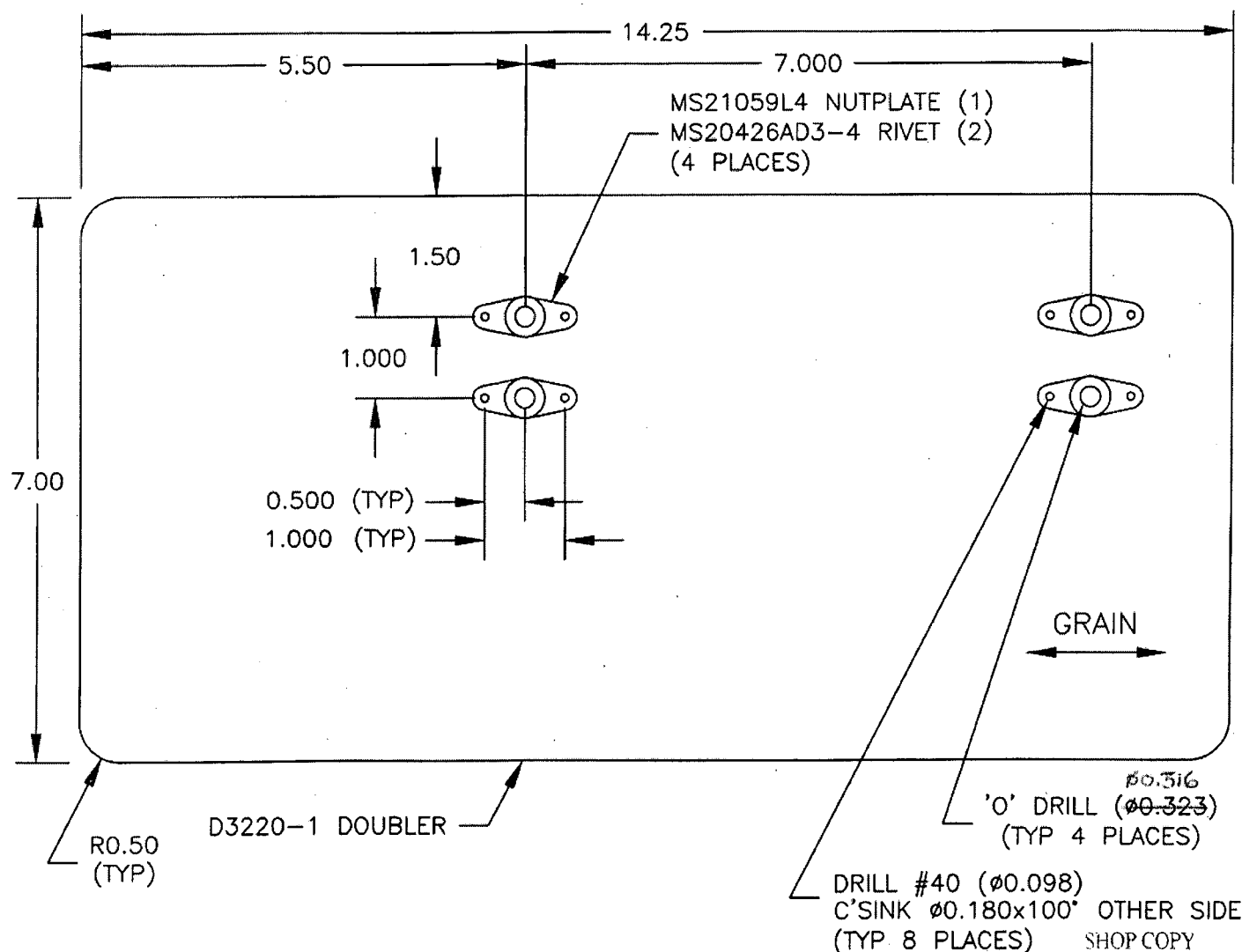
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN	<i>#</i>	DRAWN BY	<i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>#</i>	APPROVED	<i>#</i>	DRAWING NO. D3220	REV. A SHEET 1 OF 2
DATE	03.10.16			TITLE DOUBLER	SCALE 1:2
A	03.10.16			NEW ISSUE	
A1	<i>CP</i>	<i>#</i>	03.11.13	CORRECTED DIM.	

RELEASED
03.11.14 *#*



D3220-041 (SHOWN) / -042 (OPPOSITE) DOUBLER ASSEMBLY (D3220-1 DOUBLER)

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.050 THICK
(REF DART SPEC. M2024T3S.090)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

SHOP COPY
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WITHOUT NOTICE
WORK ORDER
NO. *33494*

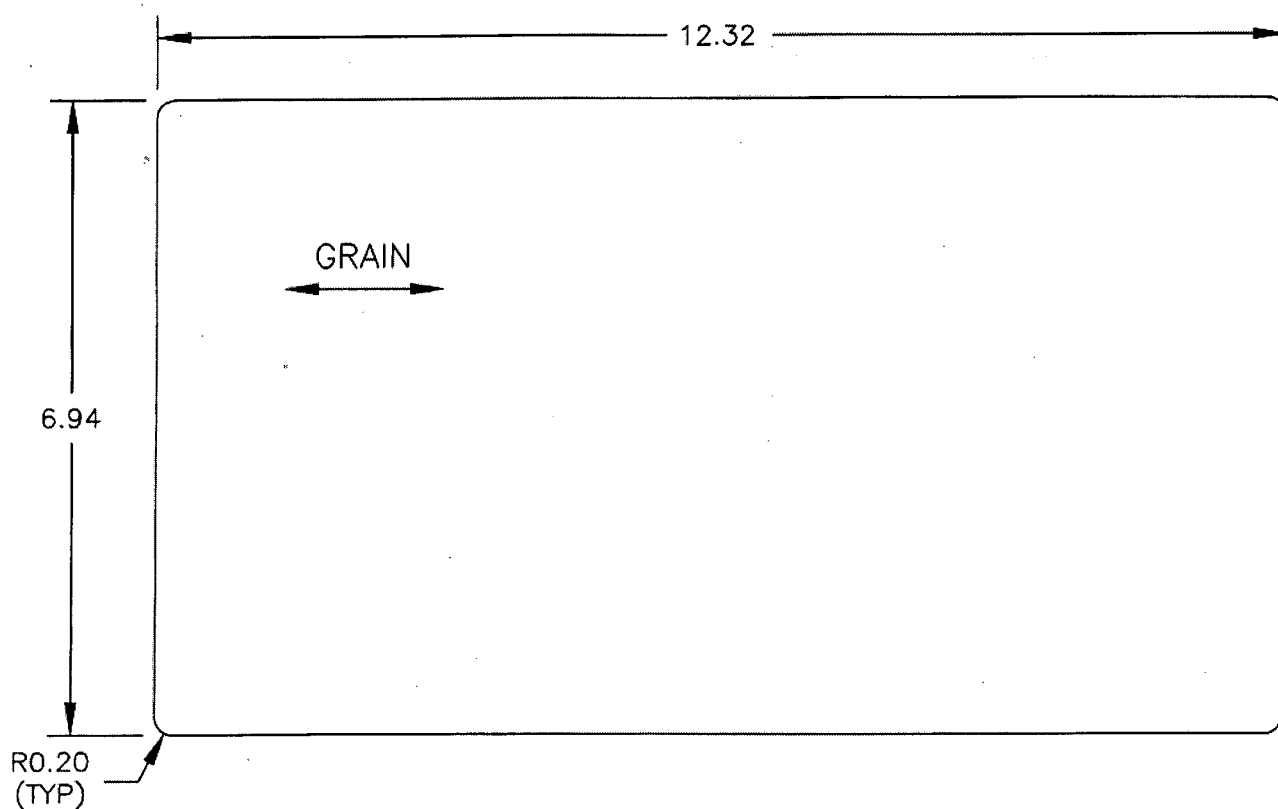
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DESIGN #	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3220	REV. A SHEET 2 OF 2
DATE 03.10.16		TITLE DOUBLER	SCALE 1:2

RELEASED
03.11.14 #



D3220-3 DOUBLER

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.050 THICK
(REF DART SPEC. M2024T3S.050)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

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